



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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April 4, 2011

To all Solid Waste Facility Owners and or Operators:

The Division of Land Protection and Revitalization has been in the process of developing a draft guidance that would require certain solid waste facilities to demonstrate additional financial assurance for materials that are stockpiled on site for beneficial use, construction projects, or other uses.

This guidance will apply to (1) facilities that store/stockpile materials outside of the landfill footprint area (disposal unit boundary) and have not included the disposal of those materials in its closure cost estimate; (2) facilities that store/stockpile materials within the landfill footprint area (disposal unit boundary) that are outside the vertical design capacity or in cells that have yet to be constructed area and have not included the disposal of those materials in its closure cost estimate; and (3) solid waste management facilities such as transfer stations, materials recovery facilities or other types of facilities that are not permitted as a solid waste disposal facility that store/stockpile materials within the facility boundary.

This guidance is not intended to require additional FA for those facilities required to maintain a 3-day stockpile of clean soil or approved alternate material on site for use as daily cover in accordance with 9 VAC 20-81-140.B.1.c. or 140.D.1.c. . This guidance is not intended to require additional FA for those facilities that store materials for beneficial use within a cell that is already constructed but has not reached its design capacity.

In order to help us achieve our goal of working together to exchange information and improve on ideas, we are seeking your input as stakeholders. You may provide your comments in writing to leslie.beckwith@deq.virginia.deq. We will be accepting comments until May 4, 2011. Thank you in advance for your time and consideration in this matter.

Sincerely,

A handwritten signature in blue ink that reads "Jeffery A. Steers".

Jeffery Steers, Director
Land Protection and Revitalization

COMMONWEALTH OF VIRGINIA
Department of Environmental Quality

Subject: Division of Land Protection and Revitalization Guidance Memo No. ##
Financial Assurance for Stockpiles of Materials for Beneficial Use or Other Uses

To:

From:

Date:

Copies:

Summary:

Certain solid waste facilities are allowed to “stockpile” certain materials on site for beneficial use, constructions projects, or other uses. While these materials may be excluded as a solid waste under 9 VAC 20-81, they pose the same environmental risk if the facility owner or operator is unable to properly close the facility. In order to assure that the costs associated with protecting the public health and safety from the consequences of abandonment or failure to properly execute closure and post-closure care at a facility are to be recovered by the owner or operator, the owner or operator of such facility shall obtain additional financial assurance for those materials kept on site.

Electronic Copy:

An electronic copy of this guidance is available on DEQ’s website at <http://www.deq.virginia.gov/>.

Contact Information:

Disclaimer:

This document is provided as guidance and, as such, sets forth standard operating procedures for the Agency. However, it does not mandate any particular method nor does it prohibit any alternative method. If alternative proposals are made, such proposals should be reviewed and accepted or denied based on their technical adequacy and compliance with appropriate laws and regulations. The procedures established in this document are not intended and cannot be relied upon to create any rights enforceable by any party in litigation. DEQ reserves the right to act at variance with policies and procedures and to change them at any time without public notice.

Regulatory Authority:

Two regulations provide the authority for this guidance. The Virginia Financial Assurance Regulations for Solid Waste Transfer, Disposal, and Treatment Facilities, 9 VAC 20-70 (the FA Regulations) and the Virginia Solid Waste Management Regulations, 9 VAC 20-81 (the VSWMR).

Discussion:

The FA Regulations specify that the amount of financial assurance (FA) is derived and determined from the cost estimate which is driven by the closure requirements. The FA Regulations provide that closure shall ensure the facility is closed “in a manner that minimizes the need for further maintenance; and controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, the post-closure escape of uncontrolled leachate, surface runoff, or waste decomposition products to the groundwater, surface water, or to the atmosphere.”

Also important, Section 111 of the FA Regulations states that the cost estimate must “equal the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan.” Also, it goes on to state “The closure cost estimate may not incorporate any salvage value that may be realized by the sale of wastes, facility structures or equipment, land or other facility assets at the time of partial or final closures.”

The fact that these “materials” may be exempted or excluded is not the focus of requiring FA when they are handled, managed, or stockpiled at a facility. The FA is aimed at the facility, not the material. Additionally, closure and FA are based upon a worse-case scenario. The Department will not consider that this material may have a “salvage value” or some possible beneficial use or value. Cost-estimates are driven by the cost of disposing, capping, and closing; not redeeming any value or potential profit. Furthermore, once a facility is abandoned, as FA contemplates, any material on-site loses its exempted or excluded status because the material is abandoned. Speculative accumulation contemplates an active operation in which the inventory must be turned over. If the owner abandons the facility, there can be no legitimate claim that he/she will return to attempt to sell or use these materials.

Definitions

“Beneficial Use Determination” or “BUD” means a decision by the Department to allow the use of a solid waste material as a substitute for natural or commercial products in a manner that does not contribute to adverse effects on health or environment. These determinations are based on case-specific information that is provided by the applicant in a beneficial use demonstration containing the information requested under 9 VAC 20-81-97.

“Disposal” means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste into or on any land or water so that such solid waste or any constituent of it may enter the environment or be emitted into the air or discharged into any waters.

“Disposal unit boundary” or “DUB” means the vertical plane located at the edge of the waste disposal unit. This vertical plane extends down into the uppermost aquifer. The DUB must be positioned within or coincident to the waste management boundary.

“Facility” means solid waste management facility unless the context clearly indicates otherwise.

“Site” means all land and structures, other appurtenances, and improvements on them used for treating, storing, and disposing of solid waste. This term includes adjacent land within the

facility boundary used for the utility systems such as repair, storage, shipping or processing areas, or other areas incident to the management of solid waste.

"Solid Waste Management Facility" or "SWMF" means a site used for planned treating, storing, or disposing of solid waste. A facility may consist of several treatment, storage, or disposal units.

"Stockpile" means a pile or storage location for materials to be used at a future date.

"Vertical design capacity" means the maximum design elevation specified in the facility's permit or if none is specified in the permit, the maximum elevation based on a 3:1 slope from the waste disposal unit boundary.

Applicability

This guidance applies to those facilities that store/stockpile materials outside of the landfill footprint area (disposal unit boundary) and have not included the disposal of those materials in its closure cost estimate.

This guidance applies to those facilities that store/stockpile materials within the landfill footprint area (disposal unit boundary) that are outside the vertical design capacity or in cells that have yet to be constructed area and have not included the disposal of those materials in its closure cost estimate.

This guidance applies to solid waste management facilities such as transfer stations, materials recovery facilities or other types of facilities that are not permitted as a solid waste disposal facility that store/stockpile materials within the facility boundary.

This guidance is not intended to require additional FA for those facilities required to maintain a 3-day stockpile of clean soil or approved alternate material on site for use as daily cover in accordance with 9 VAC 20-81-140.B.1.c. or 140.D.1.c. . This guidance is not intended to require additional FA for those facilities that store materials for beneficial use within a cell that is already constructed but has not reached its design capacity.

Cost Estimate and Removal Contract Requirements

The facility owner or operator for each of the applicable facilities named above shall obtain a detailed written cost estimate, in current dollars to load, haul and dispose of any material stockpiled on site. The cost estimate shall also include the cost of contract mobilization, decontamination of site and PE certification if necessary. The cost estimate shall be approved by the department and adhere to the following requirements:

1. The estimate shall equal the cost at the point and time when the facility has the most material on site and would make removal the most expensive.
2. The cost estimate shall be based on the costs to the owner or operator of hiring a third party to remove the material. The third party may not be either a parent or subsidiary of the owner or operator.

3. The cost estimate may not incorporate any salvage value that may be realized by the sale of the material, facility structures or equipment, land or other facility assets at the time of removal.

In addition to the itemized cost estimate, each facility owner or operator must also obtain a removal plan contract that shall designate and authorize a named third party who, upon notification by the Department, will implement the removal plan. The removal plan shall include written agreement by the named third party, bearing that person's signature, to implement the removal plan in accordance with the requirements of the removal plan. The contract shall specify that the removal costs shall equal the amount of the approved cost estimate and that the contract is transferrable should the removal plan be implemented.

Financial Assurance Submittal Requirements

The Virginia Financial Assurance Regulations for Solid Waste Disposal, Transfer and Treatment Facilities, 9 VAC 20-70, require submission of documentation that enables the department to verify that financial mechanisms are funded for the closure, post-closure care, and corrective action by owners and operators at their waste management facilities (permitted or unpermitted), as applicable. These regulations establish standards and procedures for financial assurance to be used in the issuance and continuation of permits to construct, operate, modify, close, or provide post-closure care and to be used in the performance of corrective actions or in formulation of enforcement documents issued by the department.

Owners or operators of solid waste management facilities must obtain one or a combination of allowable financial responsibility mechanisms equal to the cost estimate approved by the department using the procedures set forth in 9VAC20-70-111.

In the case of a new BUD or other approval, the cost estimate and removal plan contract shall be submitted to the department as part of the application and the selected financial mechanism or mechanisms shall be established within thirty (30) days of the approval.

In the case of facilities with existing BUDs or other approvals the cost estimate and removal plan contract shall be submitted within sixty (60) days of the issuance of this guidance and the facility shall provide financial assurance in this new amount on or before the anniversary date of the facility's next annual FA submission.

Please reference the attached fact sheet concerning allowable mechanisms.

ALLOWABLE MECHANISMS:

Type of Mechanism	Description of Mechanism
Trust Agreement	9VAC20-70-150
Surety Bond/ Standby Trust Agreement	9VAC20-70-160
Letter of Credit/ Standby Trust Agreement	9VAC20-70-170
Certificate of Deposit/ Standby Trust Agreement (Not allowed for sanitary landfills.)	9VAC20-70-180
Insurance	9VAC20-70-190
Corporate Financial Test	9VAC20-70-200
Local Government Financial Test	9VAC20-70-210
Corporate Guarantee	9VAC20-70-220
Local Government Guarantee	9VAC20-70-230
Multiple Financial Mechanisms (Mechanisms guaranteeing performance, rather than payment, may not be combined with other mechanisms.)	9VAC20-70-250
Wording of Mechanisms	9VAC20-70-290
Rules to follow when preparing the mechanism	
1. The mechanism must be submitted as a signed, original document to: Office of Financial Assurance, 5 th Floor Virginia Department of Environmental Quality 629 East Main Street, Richmond, VA 23219.	
2. The language of the mechanism must be identical to the wording in 9VAC20-70-290.	
3. The face amount of the mechanism must be equal to or greater than the department approved cost estimate.	